

CONTRIBUTION TO THE LICHEN FLORA OF URUGUAY XII.  
LICHENS FROM NUEVA PALMIRA, COLONIA DEPARTMENT.

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The present paper is part of the study of the lichen flora from the marginal forests of the De La Plata and Uruguay rivers. The below mentioned species were collected near Nueva Palmira Town, Colonia Department, SW Uruguay.

The collection sites were as follow:

ARROYO SAUCE: 1/2 Km N of Nueva Palmira, marginal forest on the S bank in his confluence with the Uruguay river.

PICADA ALBERTANO: cross of the Arroyo de las Víboras by the Highway 21, 13 km SE from Nueva Palmira.

RIO URUGUAY: the specimens were collected from trees which border the banks of the river facing Nueva Palmira.

The numbers belong to the author's numbering system and are deposited in his private herbarium.

Anaptychia diademata (Tayl.) Kurok.

ARROYO SAUCE: on Rapanea laetevirens, 4832, on Populus nigra, 4860; RIO URUGUAY: on Salix humboldtiana, 4806, on Erythrina crista-galli, 4817.

Bacidia alutacea (Kremp.) Zahlbr. var. minarum Malme.

ARROYO SAUCE: on Sapium longifolium, 4855; PICADA ALBERTANO: on Melia azedarach, 4769, on Salix humboldtiana, 4777; RIO URUGUAY: on Salix humboldtiana, 4813.

Buellia callispora (Nyl.) Stein.

ARROYO SAUCE: on Sapium, 4848.

Caloplaca commixta (Malme) Zahlbr.

PICADA ALBERTANO: on Salix humboldtiana, 4778.

Caloplaca erythrantha (Tuck.) Zahlbr.

ARROYO SAUCE: on Sapium longifolium, 4851, 4854; RIO URUGUAY: on Salix humboldtiana, 4812; PICADA ALBERTANO: on Salix humboldtiana, 4776, on Acacia farnesiana, 4791.

Caloplaca granularis (Müll. Arg.) C. Sambo.  
RIO URUGUAY: on wooden post of a wharf, 4823.

Caloplaca mülleri (Vain.) Zahlbr.  
PICADA ALBERTANO: on stones at roadside, 4784.

Caloplaca xanthaspis (Kremp.) Magn.  
ARROYO SAUCE: on Sapium longifolium, 4845.

Caloplaca xanthobola (Kremp.) Zahlbr.  
PICADA ALBERTANO: wooden post of a bridge, uncommon,  
4780. New to Uruguay.

Candelaria concolor (Dicks.) Arn.  
ARROYO SAUCE: on Populus nigra, 4863; PICADA ALBERTANO: on wooden fence post, at roadside, 4781, on Scutia buxifolia, 4880.

Candelaria fibrosa (Fr.) Müll. Arg.  
ARROYO SAUCE: on shrubs, 4828 pro parte, 4830; PICADA ALBERTANO: on Acacia farnesiana, 4795.

Dirinaria applanata (Fée) Awast.  
ARROYO SAUCE: on Rapanea laetevirens, 4838, on Blepharocalyx, 4850, 4857; RIO URUGUAY: on Erythrina cristagalli, 4820.

Glyphis cicatricosa Ach. f. confluens (Zenk.) Zahlbr.  
ARROYO SAUCE: on Sapium longifolium, 4844; PICADA ALBERTANO: on myrtaceous tree, 4787.

Graphina dealbata (Nyl.) Müll. Arg.  
ARROYO SAUCE: on Rapanea laetevirens, 4841. New to Uruguay.

Graphina nylanderiana Zahlbr.  
ARROYO SAUCE: on Sapium longifolium, 4846.

Parmelia borrerina Nyl.  
PICADA ALBERTANO: on wooden fence post, at roadside, det. M. Hale, 4760. New to Uruguay.

Parmelia microsticta Müll. Arg.  
ARROYO SAUCE: on shrubs' branches, 4831; PICADA ALBERTANO: on Acacia farnesiana, 4790.

Parmelia subpraesignis Nyl.  
ARROYO SAUCE: on Rapanea laetevirens, 4833, on Populus nigra, 4861; PICADA ALBERTANO: on Sapium longifolium, 4766, on Salix humboldtiana, 4772; RIO URUGUAY: on wooden post of a wharf, 4825. New to Uruguay.

Parmelina lindmanii (Lynge) Hale.  
PICADA ALBERTANO: on Scutia buxifolia, 4798.

Parmelina pilosa (Stizb.) Hale.  
ARROYO SAUCE: on Populus nigra, 4859; PICADA ALBERTANO: on Sapium longifolium, 4767, on Acacia farnesiana, 4804.

RIO URUGUAY: on Salix humboldtiana, 4807.

Parmotrema austrosinense (Zahlbr.) Hale.

ARROYO SAUCE: on wooden fence post, vid. M. Hale, 4868.

Parmotrema cetratum (Ach.) Hale.

PICADA ALBERTANO: on Sapium longifolium, 4803.

Parmotrema reticulatum (Tayl.) Choisy.

PICADA ALBERTANO: on wooden fence post, 4763; RIO URUGUAY: on Erythrina crista-galli, det. M. Hale, 4815, on wooden post of a wharf, 4826.

Pertusaria cinerella Müll. Arg.

PICADA ALBERTANO: on Melia azedarach, 4770.a.

Pertusaria megapotamica Malme.

ARROYO SAUCE: on Sapium longifolium, 4853; PICADA ALBERTANO: on Melia azedarach, 4770.b. pro parte; RIO URUGUAY: on Salix humboldtiana, 4811. Formerly known in Uruguay only from the type locality: Magnusson 1950:215.

Phaeographina arechavaletae Müll. Arg.

ARROYO SAUCE: on Sapium longifolium, 4849; PICADA ALBERTANO: on Melia azedarach, at roadside, 4773.

Phaeographis pezizoidea (Ach.) Müll. Arg.

PICADA ALBERTANO: on Melia azedarach, 4770.b. pro parte

Phlyctella brasiliensis (Nyl.) Nyl.

PICADA ALBERTANO: on myrtaceous tree, 4788, on Scutia buxifolia, 4797. New to Uruguay.

Physcia alba (Fée) Müll. Arg. var. obsessa (Mont.) Lynge.

ARROYO SAUCE: on Rapanea laetevirens, 4843, on Populus nigra, 4858; PICADA ALBERTANO: on Sapium longifolium, 4761, on myrtaceous tree, 4789, on Acacia farnesiana, 4801; RIO URUGUAY: on Salix humboldtiana, 4810, on Erythrina crista-galli, 4818, on wooden post of a wharf, 4822 a & b.

Physcia carassensis Vain.

ARROYO SAUCE: on shrubs' branches, 4829 pro parte.

Physcia syncolla Tuck.

ARROYO SAUCE: on Dodonea viscosa, 4834, on Rapanea laetevirens, 4842, on Sapium longifolium, 4852; PICADA ALBERTANO: on Sapium longifolium, 4762, on Melia azedarach, 4768, on Salix humboldtiana, 4775, on Acacia farnesiana, 4793; RIO URUGUAY: on Salix humboldtiana, 4814.

Pyxine cocoes (Sw.) Nyl.

RIO URUGUAY: on Tipuana tipa, scarce, 4821. New to Uruguay.

Pyxine endoleuca (Müll. Arg.) Vain.

ARROYO SAUCE: on Rapanea laetevirens, scarce, 4839.

Ramalina celastri (Spreng.) Krog. & Swinsc.

ARROYO SAUCE: on Rapanea laetevirens, 4871; PICADA ALBERTANO: on Salix humboldtiana, 4774, on wooden fence post at roadside, 4785, on Sapium longifolium, 4802; RIO URUGUAY: on Salix humboldtiana, 4809, on wooden fence post of a wharf, 4827.

Ramalina complanata (Sw.) Ach.

ARROYO SAUCE: on wooden fence post, 4866, on Rapanea laetevirens, 4870.

Sphinctrina depressa Magn.

ARROYO SAUCE: on shrubs' branches, growing on Pertusaria sp., 4829 pro parte. Formerly known in Uruguay only from type locality: Magnusson 1950: 213.

Teloschistes chrysophthalmus (L.) Th. Fr. var. cinereus Müll. Arg.

ARROYO SAUCE: on shrubs, 4828 pro parte; PICADA ALBERTANO: on Acacia farnesiana, 4792, 4796.

Xanthoria candelaria (L.) Arn.

PICADA ALBERTANO: on wooden post of a bridge, 4779.

Xanthoria parietina (L.) Th. Fr.

PICADA ALBERTANO: on Acacia farnesiana, 4794.

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#### SUMMARY

39 lichens species collected in the marginal forests of the Uruguay river (near Nueva Palmira Town) are listed. The following species are added to the known flora of Uruguay: Caloplaca xanthobola, Parmelia borreina, P. subpraesignis, Phlyctella brasiliensis and Pyxine cocoes.

#### LITERATURE CITED.

Magnusson, A. H. 1950. Lichens from Uruguay. Meddel. Göteborgs Bot. Trädgård 18: 213-237.